

No. of Printed Pages : 4

Roll No. 171733/121733/031733

**3rd Sem. / Mechanical, Auto, Prod., T&D, GE, CNC, CAD /
CAM, Found & Forg., Metallurgy, Print Making. Tech.,**

Subject : Workshop Technology-1

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory (10x1=10)

Q.1 Symbol of filled weld is _____ CO1

Q.2 Acetylene gas is stored in cylinder in _____ form CO2

Q.3 Full form of MIG _____ CO3

Q.4 In resistance welding _____ filler metal is used CO4

Q.5 _____ welding uses non consumable electrodes. CO4

Q.6 Wax is used for _____ Casting process. CO5

Q.7 The cavity produced by the pattern in the compact sand is known as _____. CO6

Q.8 In the moulding, the top flask is known as _____. CO7

Q.9 Name any one type of rolling. CO13

Q.10 _____ is the major portion of moulding sand. CO8

SECTION-B

Note: Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 Define resistance welding CO3

Q.12 Define Cores. CO5

Q.13 Write two advantages of TIG welding. CO4

Q.14 Name any two types of pattern making material. CO6

Q.15 Define green sand. CO7

Q.16 Define moulding. CO8

(1) 171733/121733/031733

(2) 171733/121733/031733

- Q.17 Write two disadvantages of Die-Casting. CO8
- Q.18 Define centrifugal casting. CO9
- Q.19 Define gate. CO7
- Q.20 Define riser. CO6
- Q.21 Define blanking. CO12
- Q.22 Define cold forging. CO13

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

- Q.23 Explain types of gas flames. CO2
- Q.24 Define polarity and explain its types in arc welding. CO3
- Q.25 Explain the principle of resistance welding. CO4
- Q.26 Explain spot welding with diagram. CO5
- Q.27 Explain machine allowance and draft allowance. CO6

(3) 171733/121733/031733

- Q.28 Write any five important characteristics of natural sand. CO7
- Q.29 Explain floor moulding with a neat diagram. CO8
- Q.30 Explain progressive dies with neat diagram. CO10
- Q.31 Explain any five casting defects with diagram. CO8
- Q.32 Explain Non-destructive testing in brief. CO7

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

- Q.33 Explain hot extrusion and its types in detail. CO12
- Q.34 Explain any five press operation with the help of diagrams. CO13
- Q.35 Explain any five types of moulds. CO9
- Q.36 Explain arc welding machines with the help of neat diagram. CO5

(6300)

(4) 171733/121733/031733